#### NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) \_\_\_\_\_\_ are:

A. \_\_\_\_\_ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. \_\_\_\_\_\_ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	<ol><li>ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)</li></ol>
Black ink. Color.	Words do not appear on a horizontal, left-to-right fashion
Color drawings are not acceptable until petiton is granted.	when page is either upright or turned so that the top
Fig(s)	becomes the right side, except for graphs. Fig(s)
Pencil and non black ink not permitted. Fig(s)	9. SCALE. 37 CFR 1.84(k)
2. PHOTOGRAPHS. 37 CFR 1.84(b)	Scale not large enough to show mechanism without
1 full-tone set is required. Fig(s)	crowding when drawing is reduced in size to two-thirds in
Photographs may not be mounted, 37 CFR 1.84(e)	reproduction.
Poor quality (half-tone). Fig(s)	Fig(s)
3. TYPE OF PAPER. 37 CFR 1.84(e)	10. CHARACTER OF LINES, NUMBERS, & LETTERS.
Paper not flexible, strong, white, and durable.	37 CFR 1.84(I)
Fig(s)	
Erasures, alterations, overwritings, interlineations.	Lines, numbers & letters not uniformly thick and well
folds, copy machine marks not accepted. Fig(s)	defined, clean, durable, and black (poor line quality).
	Fig(s) 1-6,12-14,18  11. SHADING. 37 CFR 1.84(m)
Mylar, velum paper is not acceptable (too thin).	
Fig(s)	Solid black areas pale. Fig(s)
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	Solid black shading not permitted. Fig(s)
21.0 cm by 29.7 cm (DIN size A4)	Shade lines, pale, rough and blurred. Fig(s)
21.6 cm by 27.9 cm (8 1/2 x 11 inches)	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
All drawing sheets not the same size.	37 CFR 1.84(p)
Sheet(s)	Numbers and reference characters not plain and legible.
Drawings sheets not an acceptable size. Fig(s)	Fig(s)
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	Figure legends are poor. Fig(s) 7-11,15-17
	Numbers and reference characters not oriented in the
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	same direction as the view. 37 CFR 1.84(p)(1)
SIZE: A4 Size	Fig(s)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	
SIZE: 8 1/2 x 11	English alphabet not used. 37 CFR 1.84(p)(2)
Margins not acceptable. Fig(s)	Figs
	Numbers, letters and reference characters must be at least
Top (T) Left (L)	.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Right (R) Bottom (B)	Fig(s)
6. VIEWS. 37 CFR 1.84(h)	13. LEAD LINES. 37 CFR 1.84(q)
REMINDER: Specification may require revision to	Lead lines cross each other. Fig(s)
correspond to drawing changes.	Lead lines missing. Fig(s)
Partial views. 37 CFR 1.84(h)(2)	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
Brackets needed to show figure as one entity.	Sheets not numbered consecutively, and in Arabic numerals
·Fig(s)	beginning with number 1. Sheet(s)
Views not labeled separately or properly.	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Fig(s)	Views not numbered consecutively, and in Arabic numerals,
Enlarged view not labeled separetely or properly.	beginning with number 1. Fig(s)
Fig(s)	16. CORRECTIONS, 37 CFR 1.84(w)
7. SECTIONAL VIEWS, 37 CFR 1.84 (h)(3)	Corrections not made from prior PTO-948 dated
Hatching not indicated for sectional portions of an object.	
	17. DESIGN DRAWINGS. 37 CFR 1.152
Fig(s)	Surface shading shown not appropriate. Fig(s)
Sectional designation should be noted with Arabic or	Solid black shading not used for color contrast.
Roman numbers. Fig(s)	Fig(s)
COMMENTS	
COMMENTO	

REVIEWER ). CHASE	DATE_	9-4-02	TELEPHONE NO. <u> </u>
ATTACHMENT TO PAPER NO.	·		

### REMINDER

Drawing changes may also require changes in the specification, e.g., if

Fig. 1 is changed to Fig. A. Gig. A. B. Fig. 1 Chetch the specification, at the

Brief Description of the Draying, quast like wise be changed. Please make such changes by 37 CFR 1.312 amendment at the time of submitting

The drawing(s) theory astronomy and the state present index of the state of t

8. ARRANGEMENTOF VIEWS, 37 CFR 1,8403	1. DRAMINGA, STOLE 1.840° Newplan's congenies of drawings:
1. "Correction" of Drawings 237 CFR 1285—	Birch ank (Polest Color drawin is the not acceptable until periorn is granted.
becomes the right side, except f. *; nept.s. Figer)	Fig(s)
New corrected drawings must be filed with the changes i	ncorporated therein. Identifying indicia if provided.
should include the title of the function "inventor's name	and application number or docket number (if any) if
an application number has not been assigned to the app	ligation If this information is a revisit miret he
an application number has not been assigned to the app	Mication. It will information is provided, without soil.
placed on the front of each sheet and sentered within the	e top margin. It corrected drawings are required in a
Notice of Allowability (PTOL-37), the new drawings M	UST be filed within the THREE MONTH shortened
statutory period set for reply in the Notice of Allowability	y. Extensions of time may NOT be obtained under the
provisions of 370 FR4.136(a) or (b) for filing the corrected	drawings after the mailing of a Notice of Allowability.
The drawing should be filed as a separate paper with a tra	unsmittal letter addresses to the Official Draftsperson.
Solid black week gale. Fig.(s)	1:E(S)
2. Corrections other than Informalities Noted by Dr	4. SIZE OF PAPER, 37 CFR 1.84(3): Acceptable sizes:  21.5 cm by 28.1 um (DIPAPE OFT myrab no nographs
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.	
37 CFR 1.84(p)	All drawing shee's not one stare flact.
All changes to the drawings, other than informalities no	led by the Draftsperson, MUST be made in the same
manner as those except that normally a highlighted incorporated into the new drawings MUSE be approved by	(preferably red ink) sketch of the changes to be
incorporated into the new drawings MUST be approved b	y the examiner before the application will be allowed.
No changes will be permitted to be made, other than	correction of informalities, unless the examiner has
approved the proposed change approved the proposed change	Top 2.5 cm Left 2.5 cm Right 1.5 cm f attem 1.0 cm
Fig. 1	SIZE: 8 1/2 · 11
Numbers, letters and refer ther other the characters on a facilities the	Margins not acceptable. Figs.
Timing of Corrections daised at (dom 8/1) ma CE.	Top (T)
Fig(s)	
Applicant is required to submit the drawings correction	
communication. See 37 CFR of 85(a) t brad	correspond to drawing changes.
<ol> <li>WUMDERING OF SHEETS OF DRAWINGS. ST CFR 1.84(t)</li> <li>Spects not transfered consequively, and in Arabic numerals.</li> </ol>	Partial views. 37 CFR 1.84(h)(2)  Brackets needed to show trave as one entity.
Failure to take corrective action within the set period wi	
15. NUMBERING OF VIEWS. 37 CFR 1.84(a)	Views not inhelted separately or property:
Views not numbered consecutively, and in Arasi as nurrals,	Fig(s)
beginning with number 1. Fig(s) 16. CORRECTIONS, 27 CFR, 1.64(w)	: Enlarged view not labeled sepa cicly or acoperly. Fig(s)
Conceptors not mare from prior PTO-948	
dated	7. SECTIONAL VIEWS. 37 CFR 1.84 (5)(7)
17. DESIGN DRAWINGS. 37 CFR 1.152	Hatching not indicated for so the nell partitions of air object.
Surface shafing shown not appropriate. Fig(s) Solid black shading not used for color contrast.	Highs) 2 > Sectional designation should be need with medic or
Free Property and the great configuration of the Co	Roman numbers. Figs.)
F. Same and the sa	Transfer and a state of the sta
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	COMMENTS

# Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

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The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

#### INFORMATION ON HOW TO EFFECT DRAWING CHANGES

#### 1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

## 2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

#### **Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.